## EAST Search History

| Ref<br># | Hits | Search Query  | DBs                | Default<br>Operator | Plurals | Time Stamp          |
|----------|------|---|--------------------|---------------------|---------|---------------------|
| L1       | 470  | 375/345.ccls. and bit   | USPAT              | OR                  | ON      | 2008/08/05<br>16:40 |
| 2        | 96   | 375/345.ccls. and (MSB or most adj significant)   | USPAT              | OR                  | ON      | 2008/08/05<br>16:40 |
| _3       | 90   | L2 and (adjustable or variable or multiple or dynamic)  | USPAT              | OR                  | ON      | 2008/08/05<br>16:40 |
| _4       | 2    | (375/345.ccls. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital) with gain with magnitude                      | US-PGPUB;<br>USPAT | OR                  | ON      | 2008/08/05<br>16:40 |
| _5       | 7    | (375/345.ccls. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital or "a/d") near saturat\$3                      | US-PGPUB;<br>USPAT | OR                  | ON      | 2008/08/05<br>16:40 |
| _6       | 3    | (375/345.ccls. or 455/232.1 or<br>455/234.1) and (MSB or most<br>adj significant) and (adc or<br>analog adj digital or "a/d") near4<br>input near4 sample | US-PGPUB;<br>USPAT | OR                  | ON      | 2008/08/05<br>16:40 |
| L7       | 482  | sample near2 (analog adj digital<br>or a/d or adc) near2 input  | USPAT              | OR                  | ON      | 2008/08/05<br>16:40 |
| L8       | 4    | (375/345.ccls. or 455/232.1 or 455/234.1) and sample near2 (analog adj digital or a/d or adc) near2 input   | USPAT              | OR                  | ON      | 2008/08/05<br>16:40 |
| L9       | 18   | (375/345.ccls. or 455/232.1 or<br>455/234.1) and sample near4<br>(analog adj digital or a/d or adc)<br>near4 input  | USPAT              | OR                  | ON      | 2008/08/05<br>16:40 |
| _10      | 403  | (375/345.ccls. or 455/232.1 or 455/234.1 or "341"/\$.ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input                               | USPAT              | OR                  | ON      | 2008/08/05<br>16:40 |
| _11      | 400  | (375/345.ccls. or 455/232.1.ccls. or 455/234.1.ccls. or "341"/\$. ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input                  | USPAT              | OR                  | ON      | 2008/08/05<br>16:40 |
| _12      | 400  | (375/345.ccls. or 455/232.1.ccls. or 455/234.1.ccls. or "341"/\$. ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input                  | USPAT              | OR                  | ON      | 2008/08/05<br>16:40 |

| L13 | 147  | (375/345.ccls. or 455/232.1.ccls. or 455/234.1.ccls. or "341"/\$. ccls.) and sample near2 (analog adj digital or a/d or adc) near2 input | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
|-----|------|--|------------------------------|----|----|---------------------|
| L14 | 6    | ("4955077"   "5517518"  <br>"5884152"   "5987071"  <br>"6002925"   "6038435").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/05<br>16:40 |
| L15 | 3    | ("6295445").URPN.  | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L16 | 750  | sample near2 (analog adj digital<br>or a/d or adc) near2 input   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L17 | 56   | sample near2 (analog adj digital<br>or a/d or adc) near2 input SAME<br>gain  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L18 | 5    | (US-6862439-\$ or US-6510188-\$ or US-6498929-\$ or US-6496550-\$ or US-6295445-\$ or US-5828328-\$).did.                                | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L19 | 2    | L18 and threshold  | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L20 | 8    | digital adj channel adj filtering  | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L21 | 29   | digital adj channel adj filter   | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L22 | 14   | audinot.in.  | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L23 | 22   | audinot.in.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L24 | 344  | roussel.in.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L25 | 2    | roussel.in. and instruments.as.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L26 | 2    | roussel.in. and instrument.as.   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L27 | 1    | roussel-vincent.in.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L28 | 1    | L18 and MSB  | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L29 | 4    | L18 and most adj significant   | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L30 | 1452 | 375/346.ccls.  | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L31 | 92   | 375/346.ccls. and (most adj<br>significant or msb)   | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L32 | 1    | (msb or most adj significant adj<br>bit) same gain same (second adj<br>threshold)  | USPAT                        | OR | ON | 2008/08/05<br>16:40 |

| L33 | 2       | (msb or most adj significant adj<br>bit) same gain same (second adj<br>threshold)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
|-----|---------|---|------------------------------|----|----|---------------------|
| L34 | 27      | (msb or most adj significant adj<br>bit) same (second adj threshold)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L35 | 140     | 375/345.ccls. and (msb or most adj significant adj bit or bit) same threshold   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L36 | 2       | ("5825319"   "5917865").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/05<br>16:40 |
| L37 | 11      | ("6314278").URPN.   | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L38 | 11442   | gain near4 (magnitude or<br>amplitude) and (analog near4<br>digital) or (a adj d) and channel<br>near2 filter               | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L39 | 8754    | gain near4 (magnitude or<br>amplitude) and (analog near4<br>digital) or (a adj d) and digital<br>adj channel near2 filter   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L40 | 4323832 | @ad<="20030623"   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L41 | 4323832 | @ad<="20030623"L39 and L40  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L42 | 6055    | L39 and L40   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L43 | 2866    | gain near4 magnitude and<br>(analog near4 digital) or (a adj<br>d) and digital adj channel near2<br>filter                  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L44 | 2078    | L43 and L40   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L45 | 409     | (adc or analog adj digital) near4<br>saturation   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L46 | 210     | L45 and L40   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L47 | 7       | L44 and L46   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L48 | 826     | 375/345.ccls.   | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L49 | 557     | (375/345.ccls. or 455/232.1 or 455/234.1 or "341"/\$.ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L50 | 1097    | 375/345.ccls.   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L51 | 13223   | (Analog near2 digital) near4 output same control with (bit or digital or MSB)   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |

| L52 | 4323832 | @ad<="20030623"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
|-----|---------|--|------------------------------|----|----|---------------------|
| L53 | 9961    | L51 and L52  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L54 | 977     | L53 and (agc or automatic adj<br>gain adj control\$3)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L55 | 800     | (analog near2 digital) with output with control\$3 with (AGC or automatic near4 gain)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L56 | 4323832 | @ad<="20030623"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L57 | 550     | L56 and L55  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L58 | 5       | (analog near2 digital) with output with control\$3 with (AGC or automatic near4 gain) with (MSB or LSB or most adj significant or least adj significant) | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L59 | 1       | "3931584".pn.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L60 | 17      | ("3931584").URPN.  | USPAT                        | OR | ON | 2008/08/05<br>16:40 |
| L61 | 2       | ("3525948").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/05<br>16:40 |
| L62 | 1001    | digital\$2 near4 control\$2 with<br>(bit or word) and (AGC or<br>automatic near4 gain)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/05<br>16:40 |
| L63 | 709     | L62 and L56  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/05<br>16:40 |
| L64 | 9632    | gain same (control\$3 or set or<br>adjust\$2) same digital same (bit<br>or word or msb or lsb)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/05<br>16:40 |
| L65 | 6477    | L56 and L64  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/05<br>16:40 |
| L66 | 1998    | L65 and ((most or least) adj<br>significant adj bit or msb or lsb)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/05<br>16:40 |
| L67 | 2701    | (375/345.ccls. or 455/232.1 or 455/234.1)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L68 | 1888    | L56 and L67  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |
| L69 | 2       | (375/345.ccls. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital) with gain with magnitude                     | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/05<br>16:40 |

| L70 | 92      | 375/346.ccls. and (most adj significant or msb)  | USPAT              | OR | ON | 2008/08/05<br>16:40 |
|-----|---------|--|--------------------|----|----|---------------------|
| L71 | 1       | "7103116".pn.                                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/05<br>16:40 |
| L72 | 1       | "6831957".pn.                                    | US-PGPUB;<br>USPAT | OR | ON | 2008/08/05<br>16:40 |
| L73 | 20      | receiver same front\$1end same<br>lpf same mixer | US-PGPUB;<br>USPAT | OR | ON | 2008/08/05<br>16:40 |
| L74 | 3       | @ad<="10601348"                                  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/05<br>16:40 |
| L75 | 4323832 | @ad<="20030623"                                  | US-PGPUB;<br>USPAT | OR | ON | 2008/08/05<br>16:40 |
| L76 | 9       | L73 and L75                                      | US-PGPUB;<br>USPAT | OR | ON | 2008/08/05<br>16:40 |
| L77 | 702     | receiver same lpf same mixer                     | US-PGPUB;<br>USPAT | OR | ON | 2008/08/05<br>16:40 |
| L78 | 337     | L77 and L75                                      | US-PGPUB;<br>USPAT | OR | ON | 2008/08/05<br>16:40 |

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